

Ledex® Rotary Solenoids Size 3E Precision Elongated Coil

Coil Specifications

Maximum Duty Cycle	100%	50%	25%	10%	5%		
Maximum ON Time (sec) when pulsed continuously ¹	∞	100	36	8	2.8		
Maximum ON Time (sec) for single pulse ²	∞	162	44	9	3.2		
Watts (@ 20°C)	9	18	36	90	180		
Ampere Turns (@ 20°C)	535	756	1070	1690	2397		
Coil Data							
awg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	0.70	145	2.6	3.7	5.2	8.2	11.6
24	1.18	192	3.3	4.6	6.6	10.4	14.7
25	1.97	252	4.2	5.9	8.4	13.2	18.7
26	3.26	328	5.3	7.5	10.6	16.8	24.0
27	5.04	405	6.7	9.4	13.3	21.0	30.0
28	8.02	510	8.4	11.9	16.8	27.0	38.0
29	12.21	627	10.4	14.7	21.0	33.0	47.0
30	19.20	780	13.2	18.6	26.0	42.0	59.0
31	31.84	1008	16.9	24.0	34.0	53.0	76.0
32	46.97	1215	21.0	29.0	41.0	65.0	93.0
33	75.30	1530	26.0	37.0	53.0	83.0	118.0

General Specifications

Dielectric Strength	23-27 awg, 1000 VRMS; 28-33 awg, 1200 VRMS
Recommended Minimum Heat Sink	Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 4 ⁵ / ₈ " square by 1 ¹ / ₈ " thick. ±5% tolerance
Coil Resistance	
Starting Torque	Gross torque values are shown. For net starting torque, subtract return spring torque
Return Spring Torque	0.12 pound-inches ±20%
Weight	3.5 oz (99.2 gms)
Dimensions	See page D31

¹ Continuously pulsed at stated watts and duty cycle.

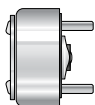
² Single pulse at stated watts (with coil at ambient room temperature 20°C).

³ Other coil awg sizes available, consult factory.

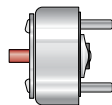
⁴ Reference number of turns.

All specifications subject to change without notice.

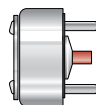
- No shafts
- 3 tapped holes
- Return spring



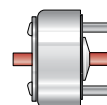
- Armature end shaft
- 3 tapped holes
- Return spring



- Base end shaft
- 3 tapped holes
- Return spring



- Double shaft
- 3 tapped holes
- Return spring



ROTARY Solenoids

Standard

Long Life

Standard

Long Life

Standard

Long Life

Standard

Long Life

H-1075-0XX	L-1075-0XX	H-2512-0XX	L-2512-0XX	H-3169-0XX	L-3169-0XX	H-2412-0XX	L-2412-0XX
H-2159-0XX	L-2159-0XX	H-2992-0XX	L-2992-0XX	H-2978-0XX	L-2978-0XX	H-15128-0XX	L-15128-0XX
H-2216-0XX	L-2216-0XX	H-2634-0XX	L-2634-0XX	H-2330-0XX	L-2330-0XX	H-2722-0XX	L-2722-0XX
H-2444-0XX	L-2444-0XX	H-3044-0XX	L-3044-0XX	H-15221-0XX	L-152221-0XX	H-2723-0XX	L-2723-0XX
H-2556-0XX	L-2556-0XX	H-3045-0XX	L-3045-0XX	H-1135-0XX	L-1135-0XX	H-2616-0XX	L-2616-0XX
H-2268-0XX	L-2268-0XX	H-2906-0XX	L-2906-0XX	H-2613-0XX	L-2613-0XX	H-15020-0XX	L-15020-0XX
H-2289-0XX	—	H-2550-0XX	—	H-15071-0XX	—	H-2542-0XX	—
H-2288-0XX	—	H-1330-0XX	—	H-3381-0XX	—	H-2940-0XX	—